

**Raw Sequence Listing before editing  
(for reference only)**



PCT

## RAW SEQUENCE LISTING

DATE: 06/05/2006

PATENT APPLICATION: US/10/531,805

TIME: 08:51:55

Input Set : A:\10531805.ST25.txt

Output Set: N:\CRF4\06052006\J531805.raw

3 <110> APPLICANT: Michaels, Frank  
 5 <120> TITLE OF INVENTION: TRANSMUCOSAL ADMINISTRATION OF AGGREGATED ANTIGENS  
 7 <130> FILE REFERENCE: 59046.000039  
 9 <140> CURRENT APPLICATION NUMBER: 10/531,805  
 10 <141> CURRENT FILING DATE: 2005-04-18  
 12 <150> PRIOR APPLICATION NUMBER: PCT/US03/33178  
 13 <151> PRIOR FILING DATE: 2003-10-17  
 15 <150> PRIOR APPLICATION NUMBER: 06/419,279  
 16 <151> PRIOR FILING DATE: 2002-10-17

18 <160> NUMBER OF SEQ ID NOS: 3  
 20 <170> SOFTWARE: PatentIn version 3.3  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 669  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Homo sapiens  
 27 <400> SEQUENCE: 1

**Does Not Comply  
 Corrected Diskette Needed**

28 taggcataaaa ttggtctgcg caccagcacc atgcaacttt ttcacctctg cctaatacatc 60  
 30 tcttgttcat gtcctactgt tcaagcctcc aagctgtgcc ttgggtggct ttggggcatg 120  
 32 gacatcgacc cttataaaga atttgagct actgtggagt tactctcggt tttgccttct 180  
 34 gacttctttc cttcagtag agatcttcta gataccgct cagctctgta tcgggaagcc 240  
 36 ttagagtctc ctgagcattg ttcacctcac catactgcac tcaggcaagc aattctttgc 300  
 38 tggggggaac taatgactct agctacctgg gtgggtgtta atttgaaga tccagcgtct 360  
 40 agagacctag tagtcagtta tgtcaacact aatatgggcc taaagttcag gcaactcttg 420  
 42 tggtttcaca tttcttgtct cacttttgga agagaaacag ttatagagta tttggtgtct 480  
 44 ttcggagtgt ggattcgcac tcctccagct tatagaccac caaatgcccc taccctatca 540  
 46 acatttcgg agactactgt tgtagacga cgaggcaggt cccctagaag aagaactccc 600  
 48 tcgctcgca gacgaaggtc tcaatcgccg cgtcgcagaa gatctcaatc tcgggaatct 660  
 50 caatgttag 669

53 <210> SEQ ID NO: 2  
 54 <211> LENGTH: 219  
 55 <212> TYPE: PRT  
 56 <213> ORGANISM: Homo sapiens  
 58 <400> SEQUENCE: 2

60 Ile Gly Leu Arg Thr Ser Thr Met Gln Leu Phe His Leu Cys Leu Ile  
 61 1 5 10 15  
 64 Ile Ser Cys Ser Cys Pro Thr Val Gln Ala Ser Lys Leu Cys Leu Gly  
 65 20 25 30  
 68 Trp Leu Trp Gly Met Asp Ile Asp Pro Tyr Lys Glu Phe Gly Ala Thr  
 69 35 40 45  
 72 Val Glu Leu Leu Ser Phe Leu Pro Ser Asp Phe Phe Pro Ser Val Arg  
 73 50 55 60  
 76 Asp Leu Leu Asp Thr Ala Ser Ala Leu Tyr Arg Glu Ala Leu Glu Ser  
 77 65 70 75 80

## RAW SEQUENCE LISTING

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Input Set : A:\10531805.ST25.txt

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```

80 Pro Glu His Cys Ser Pro His His Thr Ala Leu Arg Gln Ala Ile Leu
81                               85                               90                               95
84 Cys Trp Gly Glu Leu Met Thr Leu Ala Thr Trp Val Gly Val Asn Leu
85                               100                              105                              110
88 Glu Asp Pro Ala Ser Arg Asp Leu Val Val Ser Tyr Val Asn Thr Asn
89                               115                              120                              125
92 Met Gly Leu Lys Phe Arg Gln Leu Leu Trp Phe His Ile Ser Cys Leu
93                               130                              135                              140
96 Thr Phe Gly Arg Glu Thr Val Ile Glu Tyr Leu Val Ser Phe Gly Val
97 145                               150                               155                               160
100 Trp Ile Arg Thr Pro Pro Ala Tyr Arg Pro Pro Asn Ala Pro Ile Leu
101                               165                               170                               175
104 Ser Thr Leu Pro Glu Thr Thr Val Val Arg Arg Arg Gly Arg Ser Pro
105                               180                               185                               190
108 Arg Arg Arg Thr Pro Ser Pro Arg Arg Arg Arg Ser Gln Ser Pro Arg
109                               195                               200                               205
112 Arg Arg Arg Ser Gln Ser Arg Glu Ser Gln Cys
113                               210                               215
116 <210> SEQ ID NO: 3
117 <211> LENGTH: 168
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: HBcAG
124 <400> SEQUENCE: 3
126 Met Gln Ala Ser Lys Leu Cys Leu Gly Trp Leu Trp Gly Met Asp Ile
127 1                               5                               10                               15
130 Asp Pro Tyr Lys Glu Phe Gly Ala Thr Val Glu Leu Leu Ser Phe Leu
131                               20                               25                               30
134 Pro Ser Asp Phe Phe Pro Ser Val Arg Asp Leu Leu Asp Thr Ala Ser
135                               35                               40                               45
138 Ala Leu Tyr Arg Glu Ala Leu Glu Ser Pro Glu Cys His Ser Pro His
139                               50                               55                               60
142 His Thr Ala Leu Arg Gln Ala Ile Leu Cys Trp Gly Glu Leu Met Thr
143 65                               70                               75                               80
146 Leu Ala Thr Trp Val Gly Val Asn Leu Glu Asp Pro Ala Ser Arg Asp
147                               85                               90                               95
150 Leu Val Val Ser Tyr Val Asn Thr Asn Met Gly Leu Lys Phe Arg Gln
151                               100                              105                              110
154 Leu Leu Trp Phe His Ile Ser Cys Leu Thr Phe Gly Arg Glu Thr Val
155                               115                              120                              125
158 Ile Glu Tyr Leu Val Ser Phe Gly Val Trp Ile Arg Thr Pro Pro Ala
159                               130                              135                              140
162 Tyr Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr Leu Pro Glu Thr Thr
163 145                               150                               155                               160
166 Leu Glu His His His His His His
167                               165

```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 06/05/2006

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Input Set : A:\10531805.ST25.txt

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/531,805

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